

**ABSTRACT**

A method of producing high density arrays of target substances comprising the step of sectioning a bundle of target-strands, wherein the target-strands comprise the target substances, and wherein the sectioning results in a plurality of high density arrays.

- 5      Additionally, the method can include additional steps, such as stabilizing the target-strands or bundles, incorporating one or more additional materials into the high density array, and interrogating the high density array.